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| <b>FORM PTO-1449 (SUBSTITUTE)</b><br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br><b>INFORMATION DISCLOSURE<br/>         STATEMENT BY APPLICANT<br/>         (37 CFR 1.98(b))</b> |   |   |          | Attorney Docket No.: L&L-I0026<br>Appl. No.:<br><br>Applicant: PETER JUNG ET AL.<br><br>Filing Date: November 14, 2003<br>Group Art Unit: |       |              |                     |
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| EXAMINER<br>INITIALS   |   | PATENT NO.  | DATE     | PATENTEE  | CLASS | SUB<br>CLASS | FILING<br>DATE      |
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| <b>FOREIGN PATENT DOCUMENT</b>   |   |   |          |   |       |              |                     |
|  |   | DOCUMENT NO.  | DATE     | COUNTRY   | CLASS | SUB<br>CLASS | TRANSL.<br>YES   NO |
| NB   | J | 198 26 036 A1   | 12/16/99 | Germany   |       |              |                     |
| NB   | K | 198 49 544 A1   | 3/30/00  | Germany   |       |              |                     |
| NB   | L | 198 49 559 A1   | 3/23/00  | Germany   |       |              |                     |
| NB   | M | 101 06 391 A1   | 8/29/02  | Germany   |       |              |                     |
| NB   | N | 1 050 973 A1  | 11/8/00  | Europe  |       |              |                     |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>  |   |   |          |   |       |              |                     |
| NB   |   | Pigeonnat, Y.: "Joint Detection for UMTS: Complexity and Alternative Solutions", Vehicular Technology Conference, IEEE, 4 <sup>th</sup> Ed., May 16, 1999, pp. 546-550  |          |   |       |              |                     |
| NB   |   | Povey, G. J. R. et al.: "TDD-CDMA Extension to FDD-CDMA Based Third Generation Cellular System", International Conference on Universal Personal Communications Record, IEEE, 6 <sup>th</sup> Ed., Vol. 2, October 12, 1997, pp. 813-817 |          |   |       |              |                     |
| <b>EXAMINER</b><br>/Nader Bolourchi/   |   |   |          | <b>DATE CONSIDERED</b><br>02/11/2007  |       |              |                     |
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|  |   | DOCUMENT NO.   | DATE    | COUNTRY   | CLASS | SUB<br>CLASS | TRANSL.<br>YES   NO |
| NB   | J | 95/24086   | 9/8/95  | WIPO  |       |              |                     |
| NB   | K | 00/16494   | 3/23/00 | WIPO  |       |              |                     |
| NB   | L | 01/18976 A2  | 3/15/01 | WIPO  |       |              |                     |
| NB   | M | 01/29982 A1  | 4/26/01 | WIPO  |       |              |                     |
|  | N |  |         |   |       |              |                     |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>  |   |  |         |   |       |              |                     |
| NB   |   | Author not listed, Matsushita (ed.): "System Description of TDD Operation for Public Systems for the ITU Submission", UMTS Layer 1 Expert Group Meeting, Matsushita, May 18-20, 1998, pp. 1-27 |         |   |       |              |                     |
| NB   |   | Baltersee, J. et al.: "Performance Bounds for a UMTS Rake Receiver with Imperfect Timing Synchronisation", Global Telecommunications Conference, Globecom '99, IEEE, 1999, pp. 105-109         |         |   |       |              |                     |
| <b>EXAMINER</b><br><div style="text-align: right; margin-right: 50px;">/Nader Bolourchi/</div>   |   |  |         | <b>DATE CONSIDERED</b><br>02/11/2007  |       |              |                     |
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| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>  |   |  |      |   |       |              |                     |
| NB   |   | Jung, P.: "Analyse und Entwurf digitaler Mobilfunksysteme" [Analysis and Drafting of Digital Mobile Radio Systems], B.G. Teubner Verlag, 1997, pp. 188-215 |      |   |       |              |                     |
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